

Converting Colors

XYZ(22.1696, 19.0645, 84.1736)

Have a look what the booklet for
XYZ(22.1696, 19.0645, 84.1736)
contains.

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Color

**XYZ(22.1724, 19.0737,
84.1743)**

Conversions

Conversions Part 1

Format	Color
Hex	1175EF
RGB	17, 117, 239
RGB Percent	7%, 46%, 94%
CMY	0.9332, 0.5412, 0.0627
CMYK	0.93, 0.51, 0.00, 0.06
HSL	213°, 87%, 50%
HSV	213°, 93%, 94%
XYZ	22.1724, 19.0737, 84.1743
YIQ	101.0080, -98.7620, 16.7420

Conversions

Conversions Part 2

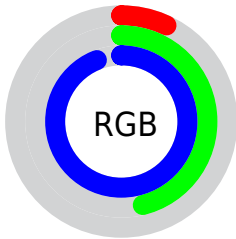
Format	Color
R _Y B	17, 86, 239
Decimal	1144303
CIE Lab	50.77, 19.98, -68.43
CIE LCh	51, 71.287, 286.276
Yxy	19.0737, 0.1768, 0.1521
Android (android.graphics.Color)	4279334383 (0xFF1175EF)
YUV	101.0080, 68.0301, -73.6750
Hunter-Lab	43.6734, 14.1934, -83.7016

Details

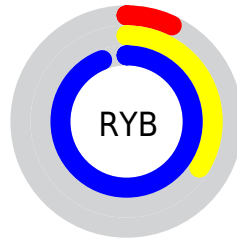
The XYZ color **22.1724, 19.0737, 84.1743** is a dark color, and the websafe version is hex **3366CC**. The color can be described as dark washed azure. A complement of this color would be **44.9375, 36.8698, 5.2803**, and the grayscale version is **12.2238, 12.8604, 14.0049**.

A 20% lighter version of the original color is **38.6082, 38.6048, 100.0243**, and **10.6337, 7.7577, 45.1929** is the 20% darker color. If you saturate the color by 10%, you get **20.9038, 16.8795, 83.8181**, and if you desaturate by 10%, it is **24.4932, 22.7040, 84.7532**.

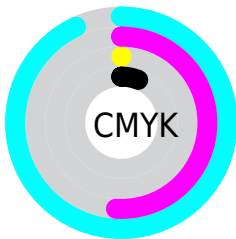
Distribution



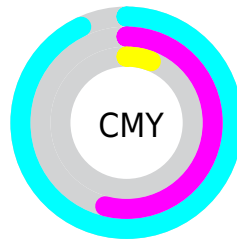
- Red (7%)
- Green (46%)
- Blue (94%)



- Red (7%)
- Yellow (34%)
- Blue (94%)



- Cyan (93%)
- Magenta (51%)
- Yellow (0%)
- Black (6%)



- Cyan (93%)
- Magenta (54%)
- Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.1724, 19.0737, 84.1743 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 22.1724, 19.0737, 84.1743 by changing the saturation by 10% instead.

■ 22.1724, 19.0737,
84.1743

■ 22.1724, 19.0737,
84.1743

256.0607,
246.8553, 528.9650

■ 14.1009, 11.7235,
62.6131

■ 46.5075, 41.8586,
141.0829

■ 8.2731, 6.5557,
45.0893

■ 63.5019, 58.0621,
177.2673

■ 4.3234, 3.1858,
31.1843

■ 84.2012, 77.9856,
219.1633

■ 1.8867, 1.2295,
20.4796

■ 108.9710,
102.0133, 267.1894

■ 0.5691, 0.0856,
12.5566

■ 138.1764,
130.5298, 321.7641

■ 0.0000, 0.0000,
6.9968

172.1830,

■ 0.0000, 0.0000,

163.9193, 383.3059

3.3817

211.3560,
202.5664, 452.2333

■ 0.0000, 0.0000,
1.2927

■ 0.0000, 0.0000,
0.0558

■ 22.1724, 19.0737,
84.1743

■ 22.1724, 19.0737,
84.1743

■ 20.9038, 16.8795,
83.8181

■ 24.4932, 22.7040,
84.7532

■ 27.6134, 27.0778,
85.4330

■ 31.6330, 32.2583,
86.2211

■ 36.6346, 38.2994,
87.1235

■ 42.6907, 45.2491,
88.1457

■ 49.8662, 53.1510,
89.2928

■ 58.2203, 62.0457,
90.5693

■ 67.8082, 71.9708,
91.9797

■ 78.6809, 82.9620,
93.5282

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



15.1172, 19.0737, 85.3096



22.1724, 19.0737, 84.1743



29.7104, 19.0737, 60.4741

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



22.1724, 19.0737, 84.1743



29.1247, 19.0737, 3.5029



7.9390, 19.0737, 12.8939

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



22.1724, 19.0737, 84.1743



44.9375, 36.8698, 5.2803

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



10.0326, 19.0737, 3.8870



22.1724, 19.0737, 84.1743



21.5164, 19.0737, 1.3140

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



22.1724, 19.0737, 84.1743



34.3779, 19.0737, 11.7236



14.6097, 19.0737, 1.3859



8.0289, 19.0737, 33.5650

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



22.1724, 19.0737, 84.1743



33.4690, 19.0737, 40.4778



14.6097, 19.0737, 1.3859



8.3817, 19.0737, 8.7921

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



22.1733, 19.0742, 84.1748



62.2144, 66.3469, 104.1349



35.5015, 63.6141, 33.4851



12.4504, 13.2719, 22.1555



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



22.1733, 19.0742, 84.1748



24.1621, 19.4442, 97.0874



16.1685, 6.8340, 82.1287



15.4834, 16.4010, 20.0712



11.6788, 9.5819, 46.3618



1.0696, 0.9931, 3.8895

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



39.0088, 20.0375, 18.6412



44.3251, 22.4940, 18.1759



64.1179, 78.8632, 12.3749



16.0687, 15.8772, 17.9180



21.2206, 10.7606, 9.0780



1.8148, 0.9150, 1.0157

Previews

White Background



This preview shows how the XYZ color 22.1724, 19.0737, 84.1743 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 22.1724, 19.0737, 84.1743 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

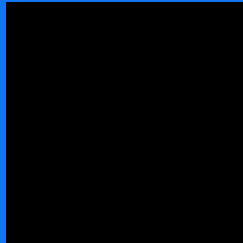
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

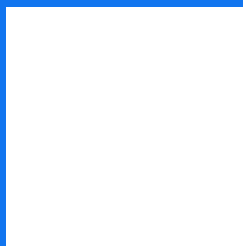
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 22.1724, 19.0737, 84.1743

Background



This preview shows how black text looks on a background with the XYZ color 22.1724, 19.0737, 84.1743.



This preview shows how white text looks on a background with the XYZ color 22.1724, 19.0737,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

22.1724, 19.0737, 84.1743

Protanopia

22.5925, 19.1352, 83.3916

Deuteranopia

19.0932, 18.9700, 65.6060



Tritanopia

13.2700, 18.7281, 28.5067

Trichromacy



Original Color

22.1724, 19.0737, 84.1743

Protanomaly

22.2737, 18.9709, 83.3767

Deuteranomaly

20.0973, 18.9874, 71.7129

Tritanomaly

15.6003, 18.3918, 44.3227

Monochromacy



Original Color

22.1724, 19.0737, 84.1743

Achromatopsia

12.3695, 13.0136, 14.1719

Achromatomaly

13.3694, 14.0518, 31.2858

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.1724, 19.0737, 84.1743 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(17, 117, 239)` looks like.

```
.text, #text, p{  
    color:rgb(17, 117, 239)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(17, 117, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(17, 117, 239) }
```

Border

The CSS property to change the border of an element to XYZ 22.1724, 19.0737, 84.1743 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(17, 117, 239) }
```


If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(17, 117, 239) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(17, 117, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(17, 117, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(17, 117, 239);  
box-shadow:4px 4px 4px 4px rgb(17, 117,  
239) }
```

Background

The CSS property to change the background color of an element to XYZ 22.1724, 19.0737, 84.1743 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(17, 117, 239) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(17, 117,  
239) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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